

Cytometer Performance Report

Cytometer: FACSCantoII
Cytometer Name: FACSCantoII
Serial Number: V33896201821
Input Device: Carousel
Tube Loaded Manually: Yes
Cytometer Configuration: Euroflow 3-laser, 8-color (4-2-2)

User: Administrator
Institution: N/A
Software: BD FACSDiva 8.0.2
Date: 06/28/2018 11:29 AM
Cytometer Baseline: 05/12/2018 04:21 PM
P/F: Pass

Setup Beads

Bead Product: CST Setup Beads **Part #:** 910859
Lot ID: 80291 **Expiration Date:** 02/29/2020
Bead Lot Information: Available

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	125963	0	2.49	126025	2.52
Blue	F	SSC	125000	124353	-1	1.59	125039	1.56
Blue	E	FITC	15760	15309	-3	3.11	331	22.08
Blue	D	PE	25880	25469	-2	2.16	554	17.35
Blue	B	PerCP-Cy5-5	34075	34212	0	4.41	1041	23.1
Blue	A	PE-Cy7	22776	22673	-1	7.71	545	45.97
Red	C	APC	42488	41479	-3	3	1567	13.78
Red	A	APC-Cy7	24478	23902	-3	3.21	819	13.4
Violet	B	V450	6304	6113	-4	4.13	342	17.32
Violet	A	V500	26005	24795	-5	3.67	578	13.11

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	20830	8.89	609	12	N/A	N/A	Pass
Blue	F	SSC	56168	1.31	575	20	N/A	N/A	Pass
Blue	E	FITC	59	74.13	563	7	0.0168	239	Pass
Blue	D	PE	114	60.4	558	9	0.1191	299	Pass
Blue	B	PerCP-Cy5-5	196	56.53	659	12	0.0072	75	Pass
Blue	A	PE-Cy7	105	116.63	712	15	0.0089	33	Pass
Red	C	APC	366	28.49	604	4	0.0183	73	Pass
Red	A	APC-Cy7	203	29.65	576	5	0.0045	1177	Pass
Violet	B	V450	55	79.07	495	6	0.0296	2498	Pass
Violet	A	V500	86	46.23	511	5	0.0135	1151	Pass

Specifications

PMTV Delta from baseline: 50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)

Cytometer Performance Report

Cytometer: FACSCantoII
Cytometer Name: FACSCantoII
Serial Number: V33896201821
Input Device: Carousel
Tube Loaded Manually: Yes
Cytometer Configuration: Euroflow 3-laser, 8-color (4-2-2)

User: Administrator
Institution: N/A
Software: BD FACSDiva 8.0.2
Date: 06/28/2018 11:29 AM
Cytometer Baseline: 05/12/2018 04:21 PM
P/F: Pass

Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-31.45	-30.57	0.93
Blue	20.36	16.27 - 24.41	1.26	0.99 - 1.49	0.00	0.00	1.41
Red	16.43	13.60 - 20.40	N/A	N/A	30.56	31.10	1.19

Window Extension: 7.00
FSC Area Scaling Factor: 0.91

Threshold

Threshold (FSC): 11838

Fluidics

FACSFlow Pressure: 3.90
Spec.: 3.80 - 4.00
Sample Pressure: 3.60

Comments